1	LISTING OF CLAIMS
2	What is claimed is:
3	We claim:
4	1. (original) An environment aware message delivery system, comprising:
5	a portable message redirection agent carried by a user; and
6	a message delivery service manager for managing candidate message terminals to provide
7	message delivery services for the user, wherein when the user moving over to a place, said
8	message redirection agent cooperates with said message delivery service manager located in the
9	environment around the user to select a message terminal from candidate message terminals in
10	the environment as a target message terminal, and request a message redirection entity to redirect
11	the message addressed to the user to the target message terminal.
12	2. (original) A system according to claim 1, wherein said message redirection agent cooperates
13	with said message delivery service manager in the environment around the user by means of a
14	short range wireless communication network.
15	3. (original) A system according to claim 2, wherein said short range wireless communication
16	network is Bluetooth wireless communication network.
17	4. (original) A system according to claim 1, wherein said message redirection agent cooperates
18	with said message delivery service manager in the environment around the user by means of a
19	USB interface.
20	5. (original) A system according to claim 1, wherein said message redirection agent runs in
21	portable pervasive computing devices such as cell phone or PDA.

- 6. (original) A system according to claim 1, wherein said message redirection agent runs in Blue
- 2 badges.
- 3 7. (original) A system according to claim 1, wherein said message redirection entity is PBX.
- 4 8. (currently amended) A system according to elaim 1, An environment aware message delivery
- 5 system, comprising:
- 6 a portable message redirection agent carried by a user; and
- 7 a message delivery service manager for managing candidate message terminals to provide
- 8 message delivery services for the user, wherein when the user moving over to a place, said
- 9 message redirection agent cooperates with said message delivery service manager located in the
- 10 environment around the user to select a message terminal from candidate message terminals in
- 11 the environment as a target message terminal, and request a message redirection entity to redirect
- 12 the message addressed to the user to the target message terminal, wherein said message
- 13 redirection agent comprises:
- 14 a message redirection service discoverer for sending service requests to said message delivery
- 15 service manager, and receiving service information from said message delivery service manager;
- 16 a message redirection manager for maintaining a message redirection service list, configuring
- 17 message redirection policy and selecting the target message terminal; and
- 18 a message redirection requester for requesting message redirection service from the message
- 19 redirection entity; and
- 20 wherein said message delivery service manager comprises:

- 1 a service request handler for authenticating the message redirection agent and sending service
- 2 information on-demand to the message redirection agent:
- 3 a service availability detector for checking the status of the candidate message terminals in the
- 4 environment and updating the message delivery service list according to the checking result; and
- 5 a message delivery service configurator for configuring the available message delivery services.
- 6 such as authorizing who can access these services.
- 7 9. (canceled)
- 8 10. (currently amended) A system according to claim 8 9, wherein said message delivery service
- 9 manager further comprises a service advertiser for periodically sending service information to
- 10 nearby message redirection agents.
- 11 11. (original) A system according of claim 1, wherein said message redirection agent comprises
- 12 a message redirection service discoverer for sending service requests to said message delivery
- 13 service manager.
- 12. (currently amended) A system according to claim 41 8, wherein said message redirection
- 15 agent comprises a message redirection service discoverer for sending service requests to said
- 16 message delivery service manager, and wherein said message delivery service manager
- 17 comprises:
- 18 a service request handler for authenticating the message redirection agent;
- 19 a service availability detector for checking the status of the candidate message terminals in the
- 20 environment and updating the message delivery service list according to the checking result;

- a message delivery service configurator for configuring the available message delivery services,
- 2 such as authorizing who can access these services, and selecting the target message terminal on
- 3 behalf of the message redirection agent making the service requests; and
- 4 a message redirection requester for requesting message redirection service from the message
- 5 redirection entity.
- 6 13. (currently amended) A system according to claim 1 any of claims 1-7, wherein said message
- 7 redirection agent comprises:
- 8 a message redirection service discoverer for sending service requests to said message delivery
- 9 service manager, and receiving service information from said message delivery service manager;
- 10 and
- 11 a message redirection manager for maintaining message redirection service list, configuring the
- 12 message redirection policy and selecting the target message terminal.
- 13 14. (original) A system according to claim 13, wherein said message delivery service manager
- 14 comprises:
- 15 a service request handler for authenticating the message redirection agent and sending service
- 16 information on-demand to the message redirection agent;
- 17 a service availability detector for checking the status of the candidate message terminals in the
- 18 environment and updating the message delivery service list according to the checking result;
- 19 a message delivery service configurator for configuring the available message delivery services,
- 20 such as authorizing who can access these services; and

- 1 a message redirection requester for requesting message redirection service from the message
- 2 redirection entity according to the request of the message redirection agent.
- 3 15. (original) A system according to claim 1, wherein said system comprises a plurality of
- 4 message delivery service managers, running in various message terminals respectively.
- 5 16. (original) A system according to claim 15, wherein said message redirection agent comprises:
- 6 a message redirection service discoverer for sending service requests to said message delivery
- 7 service manager, and receiving service information from said message delivery service manager;
- 8 a message redirection manager for maintaining message redirection service list, configuring the
- 9 message redirection policy and selecting the target message terminal; and
- 10 a message redirection requester for requesting message redirection service from the message
- 11 redirection entity.
- 12 17. (original) A system according to claim 16, wherein said message delivery service manager
- comprises a service request handler for authenticating the message redirection agent and sending
- 14 service information on-demand to the message redirection agent.
- 15 18. (original) A system according to claim 17, wherein said message delivery service manager
- 16 further comprises a service advertiser for periodically sending message redirection service
- information to nearby message redirection agents.
- 18 19. (original) A system according to claim 15, wherein said message redirection agent comprises:
- 19 a message redirection service discoverer for sending service requests to said message delivery
- 20 service manager, and receiving service information from said message delivery service manager;
- 21 and

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- 1 a message redirection manager for maintaining message redirection service list, configuring the
- 2 message redirection policy and selecting the target message terminal.
- 3 20. (currently amended) A system according to claim 19 8, wherein said system comprises a
- 4 plurality of message delivery service managers, running in various message terminals
- 5 <u>respectively, and wherein said a message delivery service manager comprises:</u>
- 6 a service request handler for authenticating the message redirection agent and sending service
- 7 information on-demand to the message redirection agent; and
- 8 a message redirection requester for requesting message redirection service from the message
- 9 redirection entity according to the request of the message redirection agent.
- 10 21. (original) An environment aware messages delivery method, comprising the steps of:
- 11 making information interaction with a message delivery service manager in the environment
- around a user by a portable message redirection agent carried by the user, wherein interacted
- 13 information comprises information on candidate message terminals;
- 14 selecting a message terminal from the candidate message terminals in the environment as a target
- 15 message terminal; and
- 16 requesting a message redirection entity to redirect a message addressed to the user to the target
- 17 message terminal.
- 18 22. (original) A portable message redirection agent, characterized by:
- 19 when a user mover over to a place, said portable message redirection agent being carried by the
- 20 user cooperating with a message delivery service manager in the environment around the user,
- 21 selects a message terminal from candidate message terminals in an environment of the user, as a

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- 1 target message terminal and requests a message redirection entity to redirect a message addressed
- 2 to the user to the target message terminal.
- 3 23. (currently amended) A message delivery service manager, characterized by comprising:
- 4 cooperating means functioning such that when a user moves over to a place and said message
- 5 delivery service manager in the an environment around the user, cooperating cooperates with a
- 6 portable message redirection agent carried by the user, selects a message terminal from the
- 7 candidate message terminals in the environment as a target message terminal, and requests a
- 8 message redirection entity to redirect the message addressed to the user to the target message
- 9 terminal.
- 24. (currently amended) An environment aware messages delivery method according to claim 21.
- 11 <u>further comprising the step of: providing an</u> article of manufacture comprising a computer usable
- 12 medium having computer readable program code means embodied therein for causing
- 13 environment aware messages delivery, the computer readable program code means in said article
- 14 of manufacture comprising computer readable program code means for causing a computer to
- 15 effect the steps of elaim 21 making, selecting, and requesting.
- 16 25. (currently amended) An environment aware messages delivery method according to claim 21,
- 17 <u>further comprising the step of: providing a A program storage device readable by machine,</u>
- 18 tangibly embodying a program of instructions executable by the machine to perform method
- 19 steps for environment aware messages delivery, said method steps comprising the steps of claim
- 20 21 making, selecting, and requesting.
- 26. (currently amended) A computer program product comprising a computer usable medium
- 22 having computer readable program code means embodied therein for causing environment aware
- 23 messages delivery, the computer readable program code means in said computer program product
- 24 comprising computer readable program code means for causing a computer to effect the
- 25 functions of claim 1:

- 1 a portable message redirection agent carried by a user; and
- 2 a message delivery service manager for managing candidate message terminals to provide
- 3 message delivery services for the user, wherein when the user moving over to a place, said
- 4 message redirection agent cooperates with said message delivery service manager located in the
- 5 environment around the user to select a message terminal from candidate message terminals in
- 6 the environment as a target message terminal, and request a message redirection entity to redirect
- 7 the message addressed to the user to the target message terminal.
- 8 27. (currently amended) A message delivery service manager according to claim 23, further
- 9 comprising computer program product means comprising a computer usable medium having
- 10 computer readable program code means embodied therein for causing message delivery service
- 11 management, the computer readable program code means in said computer program product
- 12 comprising computer readable program code means for causing a computer to effect the
- 13 functions of claim 23 the cooperating means.

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